Adabas

➢ **Description:** Adabas and Natural were launched by Software AG in 1972 and 1979, respectively, and are used by over 3,000 enterprises worldwide.

Adabas is a DBMS that enables enterprises to process large numbers of online transactions and to store and manage large volumes of mission-critical data. It is designed for medium-sized and large enterprises requiring a DBMS capable of supporting thousands of users and running on a 24 x 7 basis with minimal downtime. Adabas provides cross-platform availability, a comprehensive tool-set for automated database administration, and the ability to manage complex data. Teale's current Adabas databases operate on the OS/390 mainframe.

Optional products, features and a number of add-on modules for Adabas provide additional functionality.

- *Adabas External Security Interface/Adabas SAF Security* protects Adabas files through RACF.
- *Adabas Delta Save* facilitates incremental data backup.
- *Adabas Fastpath* optimizes database and application performance.
- *Adabas Cluster Services* takes advantage of IBM's Sysplex high-availability system technology.
- *Adabas Web Retrieval* enables data stored in an Adabas DBMS to be accessed via the Internet. Please note, this product is not available at Teale.
- *Entire Net-Work* provides access across MVS platforms, as well as disparate operating system environments.
- *EntireX product suite* is a collection of middleware providing communication between applications on disparate platforms. It is currently used at Teale to web-enable Natural applications and Adabas data through Delphi and ASP applications, communicate between Visual Basic programs on workstations and mainframe CICS Natural applications, and perform remote procedure calls between Natural applications in different mainframe Natural environments.

Natural is a multi-platform software development tool for building mission-critical enterprise applications. It includes a fourth generation (4GL) programming language that allows customers to develop business applications more productively and with easier long-term maintenance. The suite of Natural add-on modules provides a comprehensive development environment, including: database access interfaces to Adabas, VSAM files and DB/2, automatic code generation tools, application migration/versioning tools and a data dictionary. Natural

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security provides the additional functionality of protecting components of the Natural application itself.

Teale Services and Support: The Adabas Unit at Teale provides the following services:

1. Installation and support of software products
2. Test of new maintenance and software releases at installation verification and access levels
3. Configuration of appropriate parameters and environments
4. Construction of Adabas databases
5. Construction and configuration of Natural application development environments
6. Backup and recovery of databases
7. Creation of backup copies to be stored both onsite and offsite
8. System-level database administration, such as, expanding or reorganizing the database
9. File level maintenance for production databases for those databases not maintained by the customer
10. File level maintenance for test and development databases, if the customer requires assistance
11. Capacity planning and performance tuning
12. Problem resolution at the system level
13. Assistance with problem resolution at the application level
14. Primary contact between the customer and vendor technicians
15. Consultation for technical assistance, database and application design
16. Teale procurement staff manage the contracts for the licensed products

Teale also offers operational recovery services for critical customer databases on a subscription basis. Please contact your Teale Customer Service Representative for details.

Teale Adabas customers are responsible for the following:

1. Application design, development, maintenance, test and migration
2. Test of new maintenance and software releases at the user and application levels
3. File level maintenance at the test and development levels
4. File level maintenance of production data
5. Problem reporting and resolution

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➢ **Benefits:** Adabas is known worldwide for meeting the critical performance requirements of high-volume, high-availability production systems. Using Adabas with other Software AG technology, distributed databases can be built to access data across heterogeneous, geographically dispersed platforms. Some of the benefits of using Adabas at Teale are:

1. A wide variety of tools are available to manage the database and provide access from many language environments and operational platforms.

2. RACF security protects Adabas files and data.

3. Applications are easy to develop by using Natural development tools.

4. Many government employees are trained in using the products, minimizing the learning curve of new technology.

5. Adabas is the most widely-used database at Teale and, consequently, has a strong customer base from which to collaborate and assure continued operation.

6. Teale Adabas support staff provide excellent and responsive customer service and can be reached by calling the Help Desk at (916) 464-4311, or sending an e-mail to **dchelpme@teale.ca.gov**. (The Help Desk is operational 24 hours a day, 7 days a week.) During normal business hours (7:00 a.m. to 5:00 p.m.), staff are available to assist with modifications or database and application issues; during off-shift hours, they can respond to emergency problems.

7. With their diverse technical background and expertise, the Adabas staff provide a well-rounded pool of knowledge to resolve problems, provide solutions and respond to questions.

8. Software AG, which has received numerous customer support awards, has a highly-developed technical support staff to assist with problem resolution.

➢ **When to Use:** Adabas is used by customers who require the ability to organize, manipulate, query, access, update and manage complex information to meet the mission-critical demands of their enterprise computing environments. Adabas is capable of supporting enterprises that:

1. Use small databases with low usage

2. Require large numbers of online transactions

3. Require large volumes of data

4. Have complex data structures

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5. Have thousands, even tens of thousands, of users

6. Access data from diverse platforms and environments

7. Require sub-second response time

8. Have a potential for growth in any of the above areas

9. Want the ability to quickly and easily develop business applications from quick adhoc queries/reports to complex enterprise processes

> **How to Obtain:** Call your Teale Customer Relations Representative at (916) 464-3712 (CALNET 433-3712).